

Fig. 3B

ONLY RNA WITH 2 DEOXY AT EACH END

1A 5'- cuccuuuuuuuuucgcuuacg-TT (SEQ ID NO:1)

1B
3'-TT-gaggaaacaaagacgaungc (SEQ ID NO:2)

ONLY RNA WITH NH₂ GROUPS AT EACH 3' END AND 2 DEOXY

3A 5'- cuccuuuuuuuuucgcuuacg-TT-NH2 (SEQ ID NO:3)

3' -NH₂-TT-gaggaaaacaaagacgaunc (SEQ ID NO:4)

ONLY RNA WITH INVERTED ABASIC AND 2 TT

4. 16153-iB (iB at the 3' ends)

5'-cuccuuuuuuucugcuaacg-TT-iB (SEQ ID NO:5)

4B
3'-iB-TT-gaggaaaacaaagacgaung (SEQ ID NO:6)

ONLY RNA WITH 2 DEOXY AT EACH END

5' - cucuuuuuuuuugucacg-TT (SEQ ID NO:7)

5BMM
3'-TT-gaguaaaagaaacacgagugc (SEQ ID NO:8)

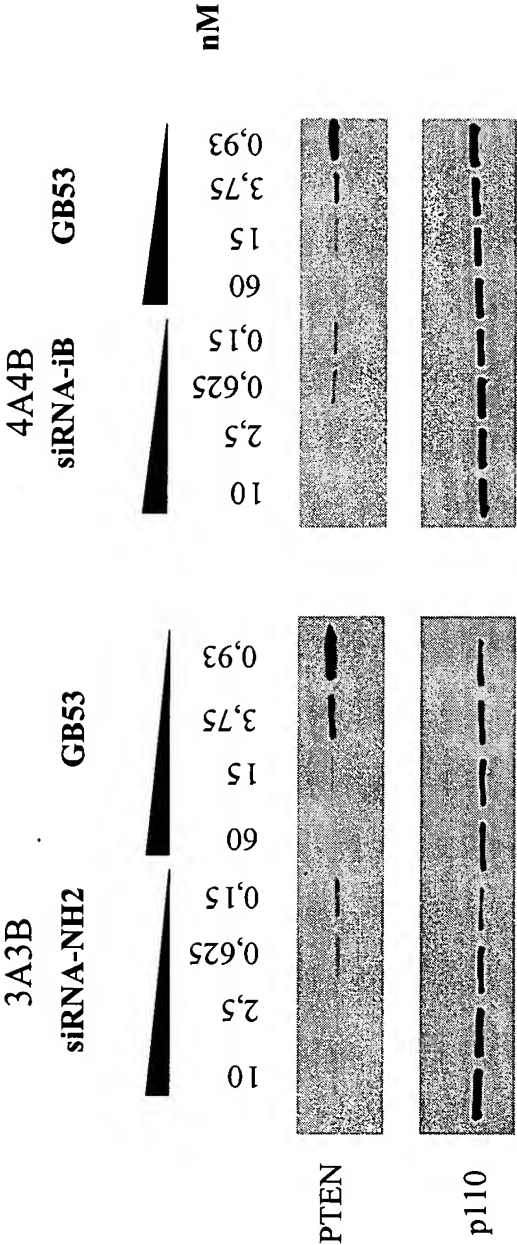


Fig. 3C

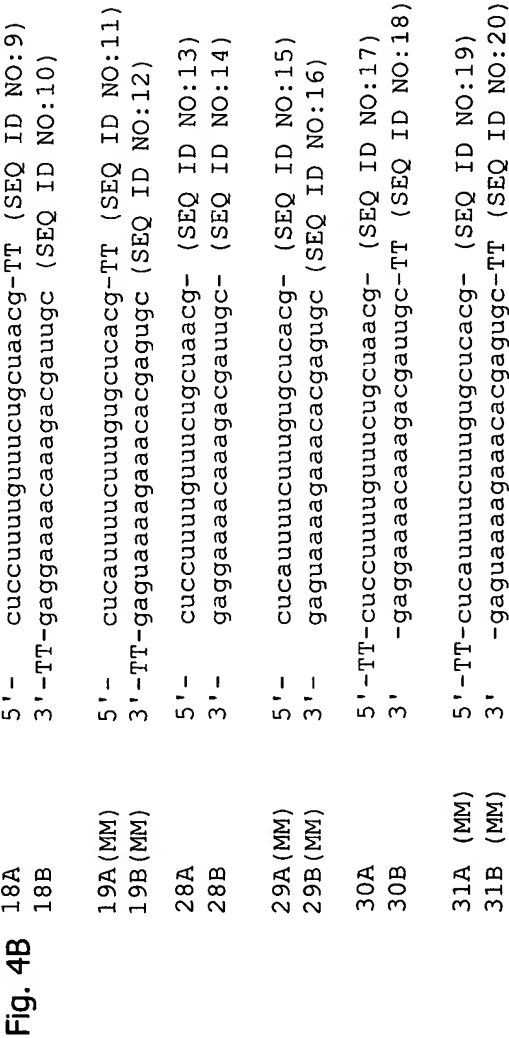
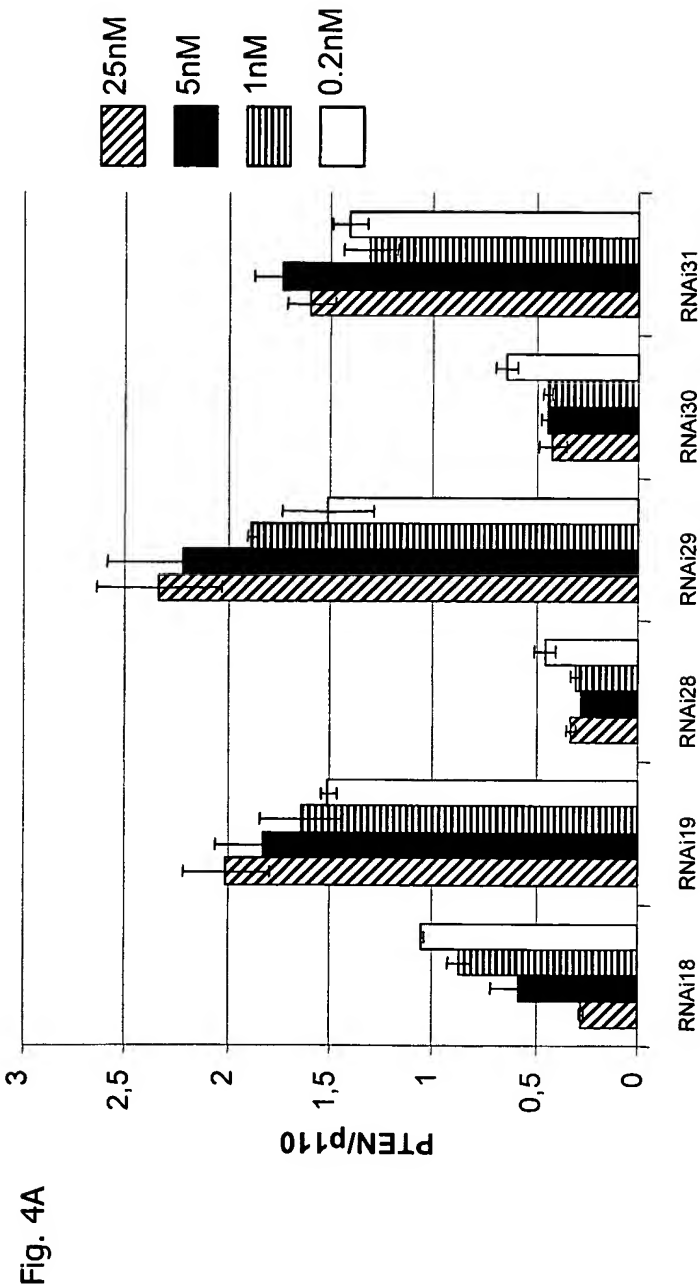


Fig. 5A

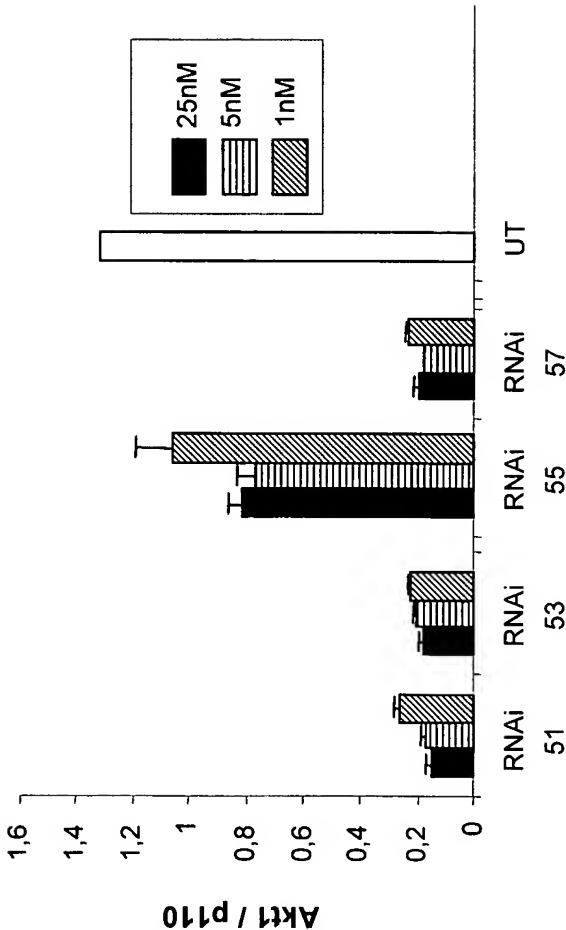


Fig. 5B

51A	5'-	-ucungauguacucccucg-uu	(SEQ ID NO:21)	19nt	3'uu
51B	3'-	uu-agaacuacaugaggagc-	(SEQ ID NO:22)		
53A	5'-	-ucungauguacucccucg-uu	(SEQ ID NO:23)	19nt	3'seq.specific RNA
53B	3'-	cc-agaacuacaugaggagc-	(SEQ ID NO:24)		
55A	5'-	-cuungauguacucccuc-gu	(SEQ ID NO:25)	17nt	3'seq.specific RNA
55B	3'-	ca-gaacuacaugaggag-	(SEQ ID NO:26)		
57A	5'-	-ucungauguacucccucg-TT	(SEQ ID NO:27)	19nt	3'seq.specific DNA
57B	3'-	CC-agaacuacaugaggagc-	(SEQ ID NO:28)		

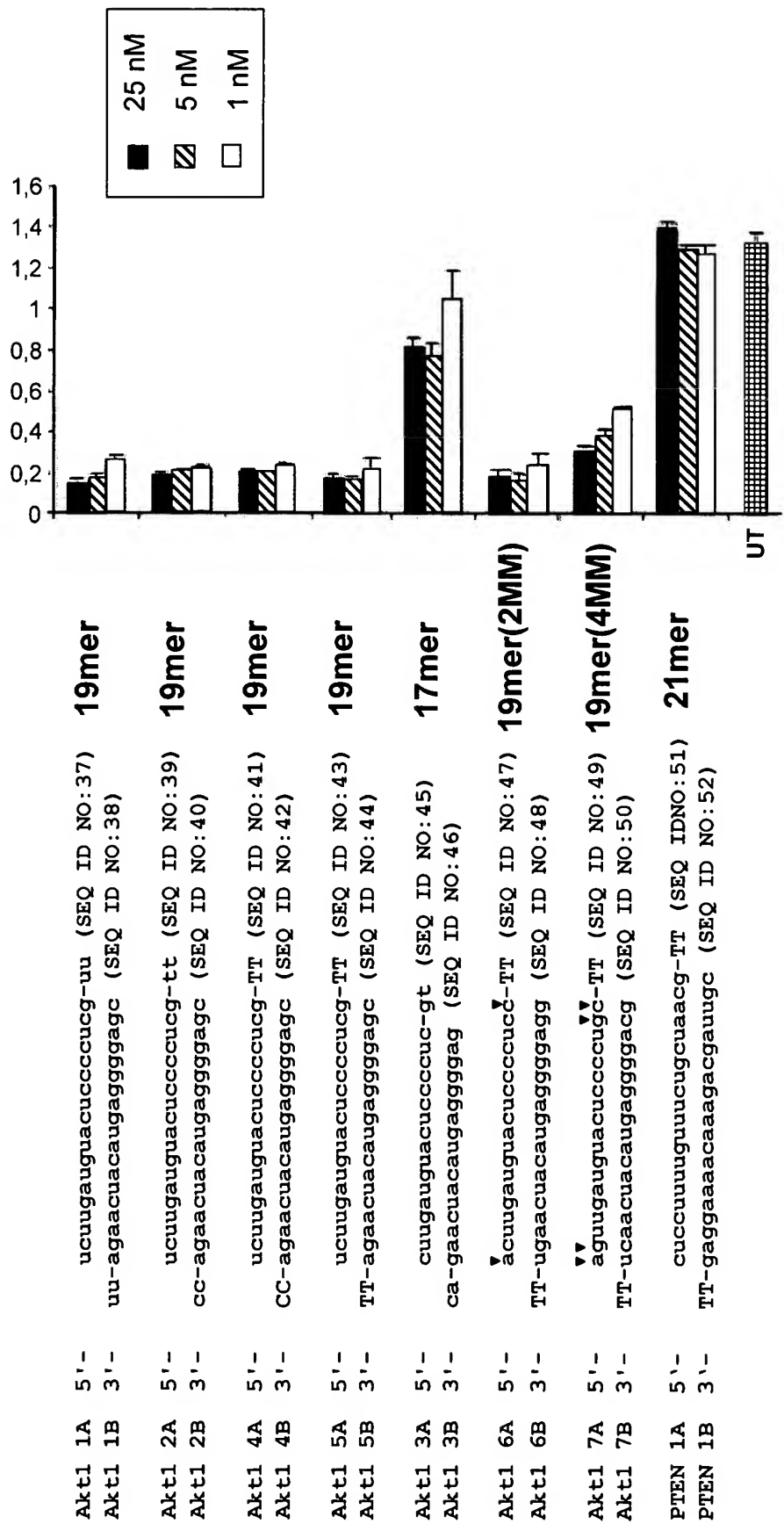


FIG. 7A

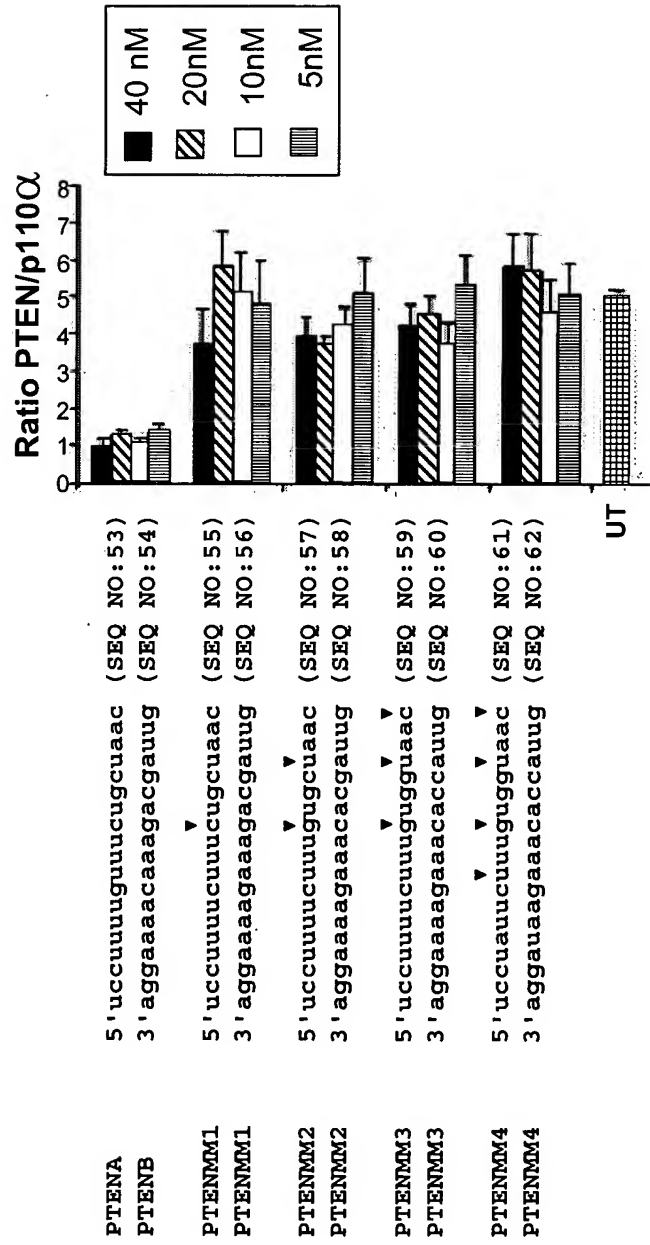


Fig. 7B

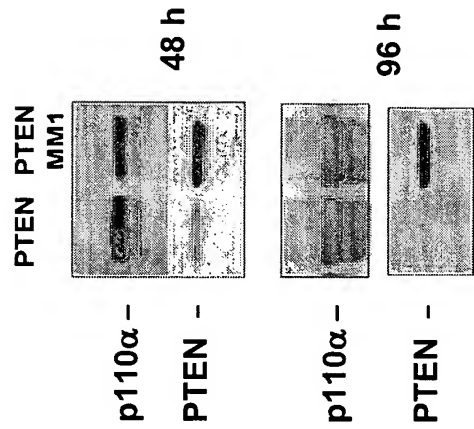


Fig. 7C

Fig. 8A

Serum 0' 15' 120'



Fig. 8B

Tuschl
18A 5'- cuccuuuuguuucugcuaacg-TT (SEQ ID NO:9)
18B 3'-TT-gaggaaaaaagacgaugc (SEQ ID NO:10)

inverted abasic on both ends and 2TT
24A 5'- iB-cuccuuuuguuucugcuaacg-TT-iB (SEQ ID NO:63)
24B 3'-iB-TT-gaggaaaaaagacgaugc-iB (SEQ ID NO:64)

NH2groups at both ends AND 2-deoxy
26A 5'- NH2-cuccuuuuguuucugcuaacg-TT-NH2 (SEQ ID NO:65)
26B 3'-NH2-TT-gaggaaaaaagacgaugc-NH2 (SEQ ID NO:66)

2'-O-Methyl modified with 2-deoxy at each end
79A 5'- cuccuuuuguuucugcuaacg-TT (SEQ ID NO:67)
79B 3'- TT-gaggaaaaaagacgaugc (SEQ ID NO:68)

Only RNA
28A 5'- cuccuuuuguuucugcuaacg- (SEQ ID NO:13)
28B 3'- gaggaaaaaagacgaugc- (SEQ ID NO:14)

Only RNA with 2-deoxy at each 5' end
30A 5'-TT-cuccuuuuguuucugcuaacg- (SEQ ID NO:17)
30B 3'- gaggaaaaaagacgaugc-TT (SEQ ID NO:69)

NH2 groups at each 3'end and 2-deoxy
3A 5'- cuccuuuuguuucugcuaacg-TT-NH2 (SEQ ID NO:70)
3B 3'-NH2-TT-gaggaaaaaagacgaugc- (SEQ ID NO:71)

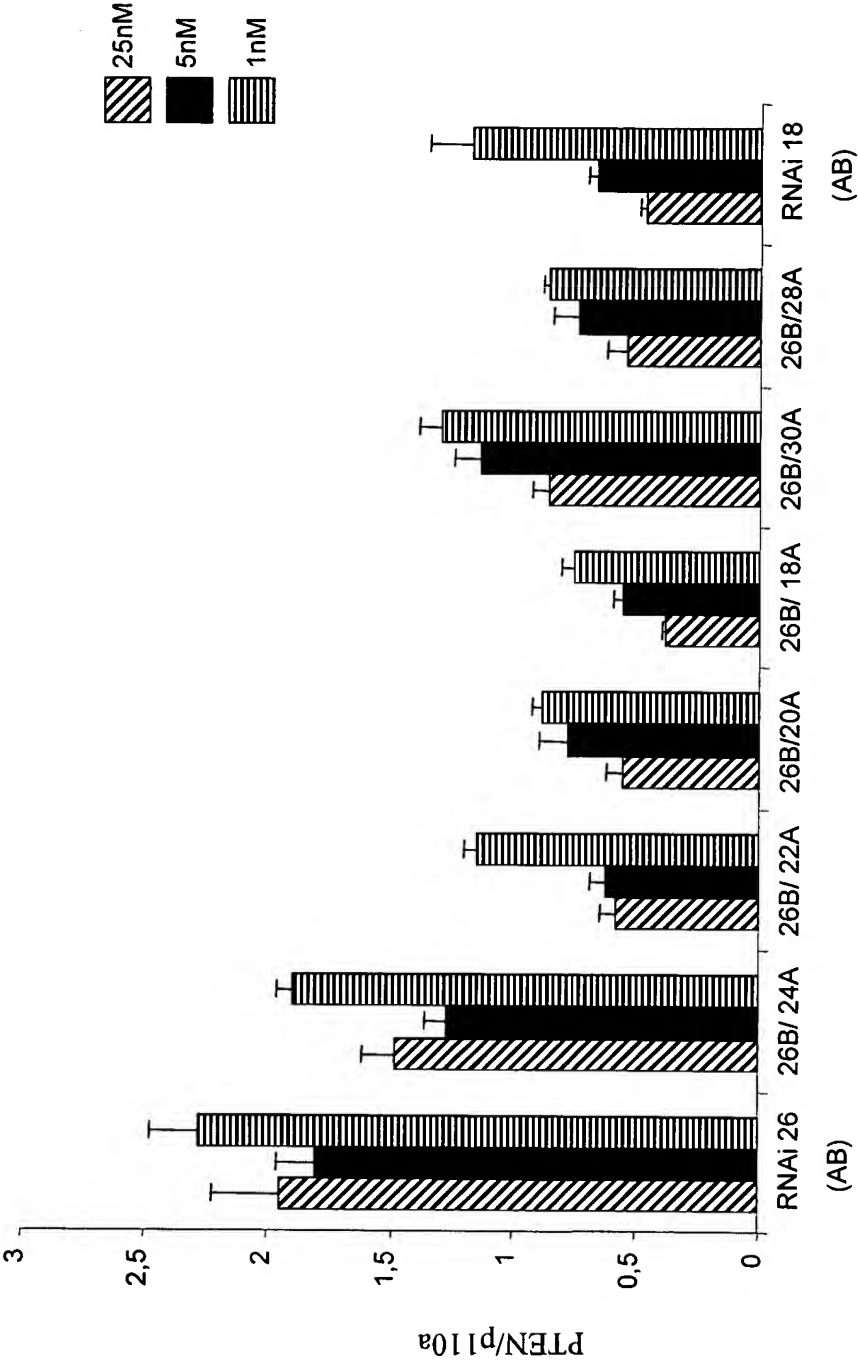


Fig. 9A

FIG. 9B

26A	5' -	NH2-cuccuuuuuuucugcuaacg-TT-NH2	(SEQ ID NO:72)
26B	3' -	NH2-TT-gaggaaaaaaagacgauugc-NH2	(SEQ ID NO:77)
24A	5' -	iB-cuccuuuuuuucugcuaacg-TT-iB	(SEQ ID NO:73)
26B	3' -	NH2-TT-gaggaaaaaaagacgauugc-NH2	(SEQ ID NO:77)
22A	5' -	cuccuuuuuuucugcuaacg-TT-iB	(SEQ ID NO:74)
26B	3' -	NH2-TT-gaggaaaaaaagacgauugc-NH2	(SEQ ID NO:77)
20A	5' -	cuccuuuuuuucugcuaacg-TT-NH2	(SEQ ID NO:75)
26B	3' -	NH2-TT-gaggaaaaaaagacgauugc-NH2	(SEQ ID NO:77)
18A	5' -	cuccuuuuuuucugcuaacg-TT	(SEQ ID NO:78)
26B	3' -	NH2-TT-gaggaaaaaaagacgauugc-NH2	(SEQ ID NO:77)
30A	5' -	TT-cuccuuuuuuucugcuaacg-	(SEQ ID NO:76)
26B	3' -	NH2-TT-gaggaaaaaaagacgauugc-NH2	(SEQ ID NO:77)
28A	5' -	cuccuuuuuuucugcuaacg-	(SEQ ID NO:80)
26B	3' -	NH2-TT-gaggaaaaaaagacgauugc-NH2	(SEQ ID NO:77)
18A	5' -	cuccuuuuuuucugcuaacg-TT	(SEQ ID NO:78)
18B	3' -	TT-gaggaaaaaaagacgauugc	(SEQ ID NO:79)

FIG. 9C

NH2-nnnnnnnnnnnnnnnn-tt	-nnnnnnnnnnnnnnnn-tt	functional
NH2-nnnnnnnnnnnnnnnn-tt-NH2	-nnnnnnnnnnnnnnnn-tt-NH2	functional
NH2-nnnnnnnnnnnnnnnn-tt-NH2	tt-nnnnnnnnnnnnnnnn-tt	not functional

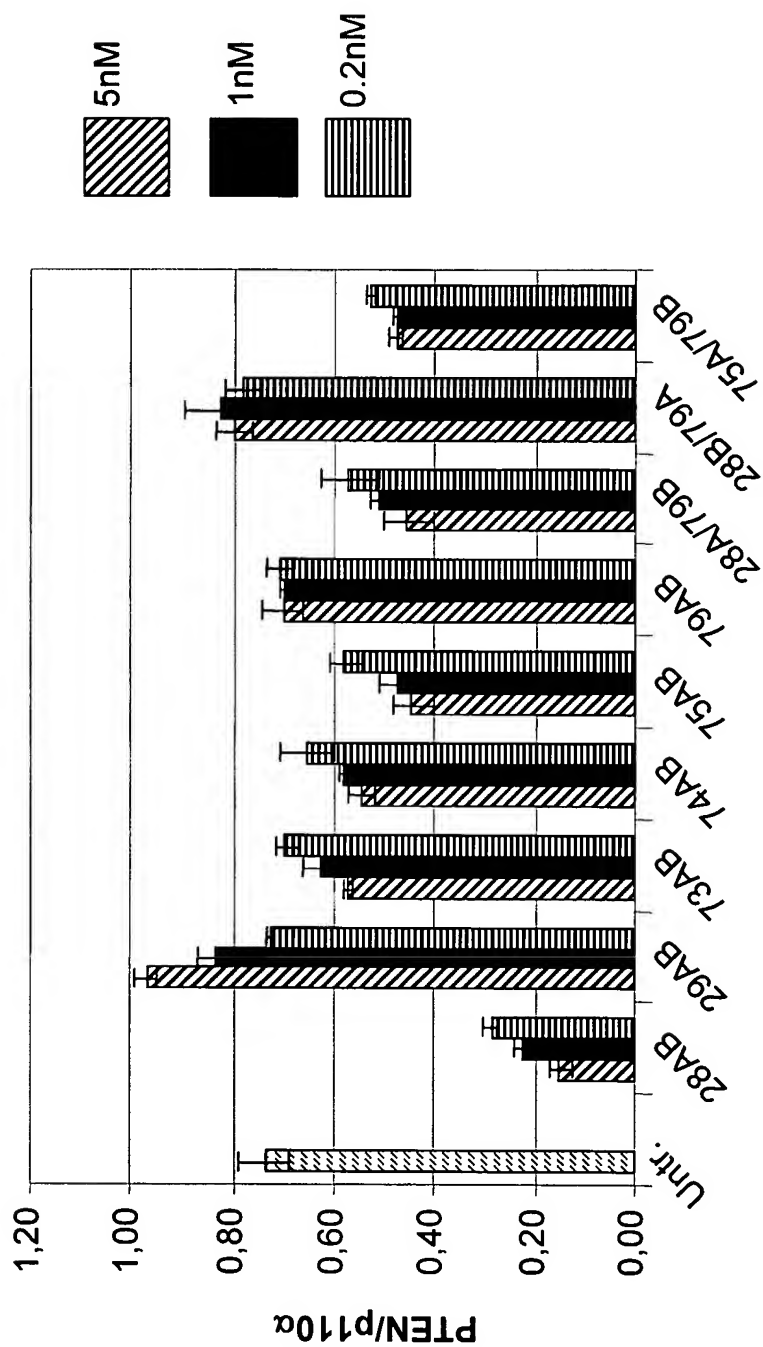


Fig. 10A

Fig. 10B

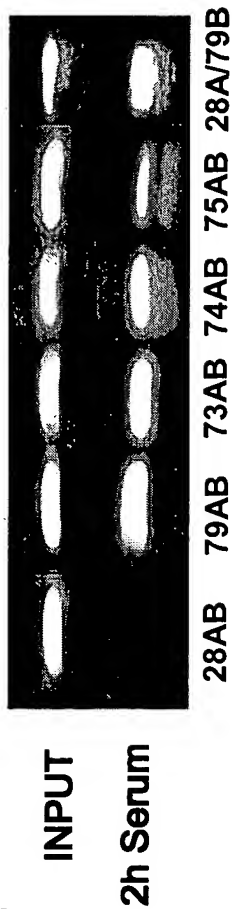


Fig. 10C RNA Bold Italics represents 2'O-methyl

28A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:13)
28B	3' -	<i>gaggaaaaaagacgaugc</i>	(SEQ ID NO:14)
29A	5' -	<i>cuccuuuuguuucgcuacg</i>	(SEQ ID NO:81)
29B	3' -	<i>gaggaaaaaagacgaugc</i>	(SEQ ID NO:82)
73A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:83)
73B	3' -	<i>-gaggaaaaaagacgaugc-</i>	(SEQ ID NO:84)
74A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:85)
74B	3' -	<i>-gaggaaaaaagacgaugc-</i>	(SEQ ID NO:86)
75A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:87)
75B	3' -	<i>-gaggaaaaaagacgaugc-</i>	(SEQ ID NO:88)
79A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:89)
79B	3' -	<i>-gaggaaaaaagacgaugc-</i>	(SEQ ID NO:90)
28A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:80)
79B	3' -	<i>-gaggaaaaaagacgaugc-</i>	(SEQ ID NO:90)
79A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:89)
28B	3' -	<i>gaggaaaaaagacgaugc-</i>	(SEQ ID NO:14)
75A	5' -	<i>cuccuuuuguuucgcuacg-</i>	(SEQ ID NO:87)
79B	3' -	<i>-gaggaaaaaagacgaugc-</i>	(SEQ ID NO:90)

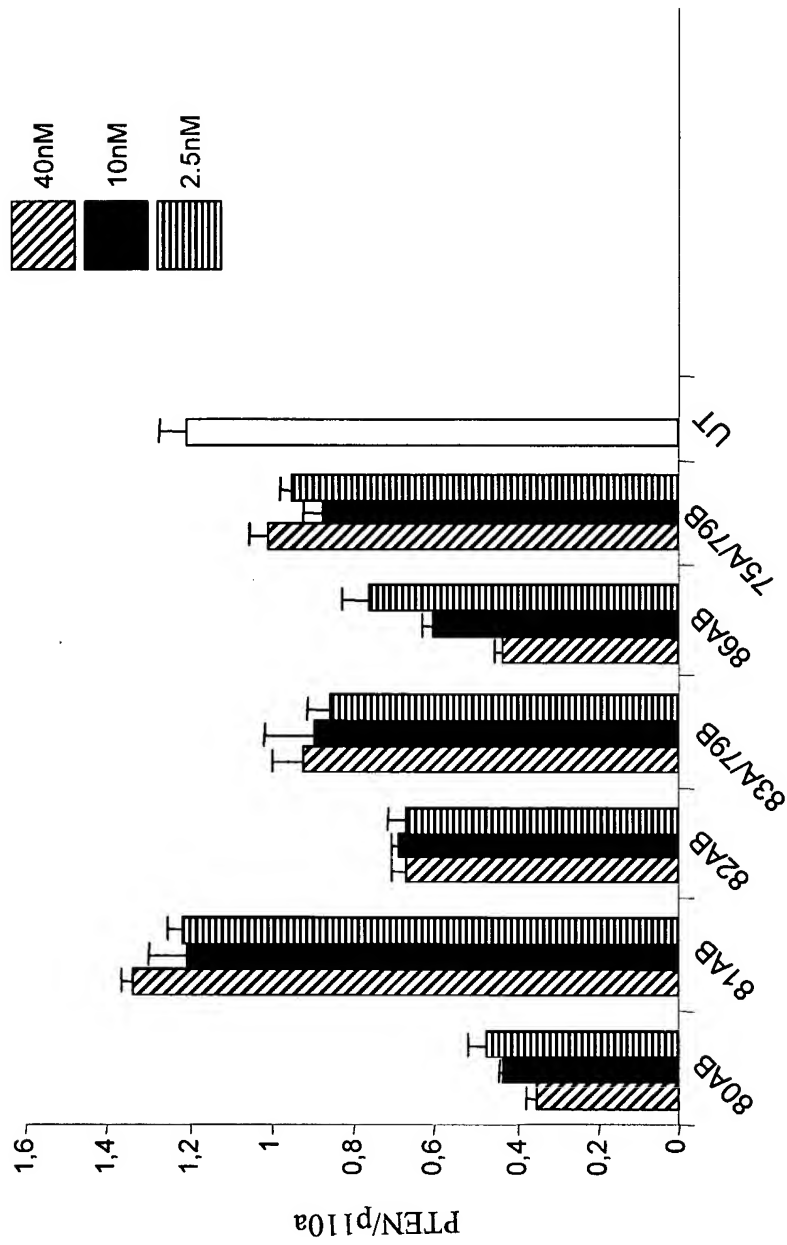


Fig. 11A

Fig. 11B

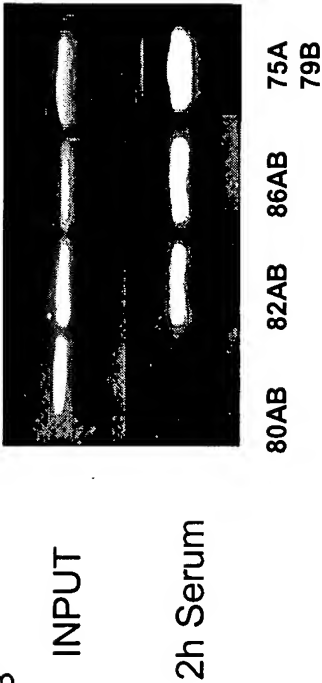


Fig. 11C

RNA	Bold Italics	represents	2'O-methyl
80A	5' -	cuccuuuuuuucugcuaacg-	(SEQ ID NO:91)
80B	3' -	-gaggaacaaagacgaungc-	(SEQ ID NO:92)
81A	5' -	cuccuuuuuuucugcuaacg-	(SEQ ID NO:93)
81B	3' -	-gaggaacaaagacgaungc-	(SEQ ID NO:94)
82A	5' -	cuccuuuuuuucugcuaacg-	(SEQ ID NO:95)
82B	3' -	gaggaacaaagacgaungc-	(SEQ ID NO:96)
83A	5' -	cuccuuuuuuucugcuaacg-	(SEQ ID NO:97)
79B	3' -	-gaggaacaaagacgaungc-	(SEQ ID NO:90)
86A	5' -	cuccuuuuuuucugcuaacg-	(SEQ ID NO:98)
86B	3' -	-gaggaacaaagacgaungc-	(SEQ ID NO:99)
75A	5' -	cuccuuuuuuucugcuaacg-	(SEQ ID NO:100)
79B	3' -	-gaggaacaaagacgaungc-	(SEQ ID NO:90)

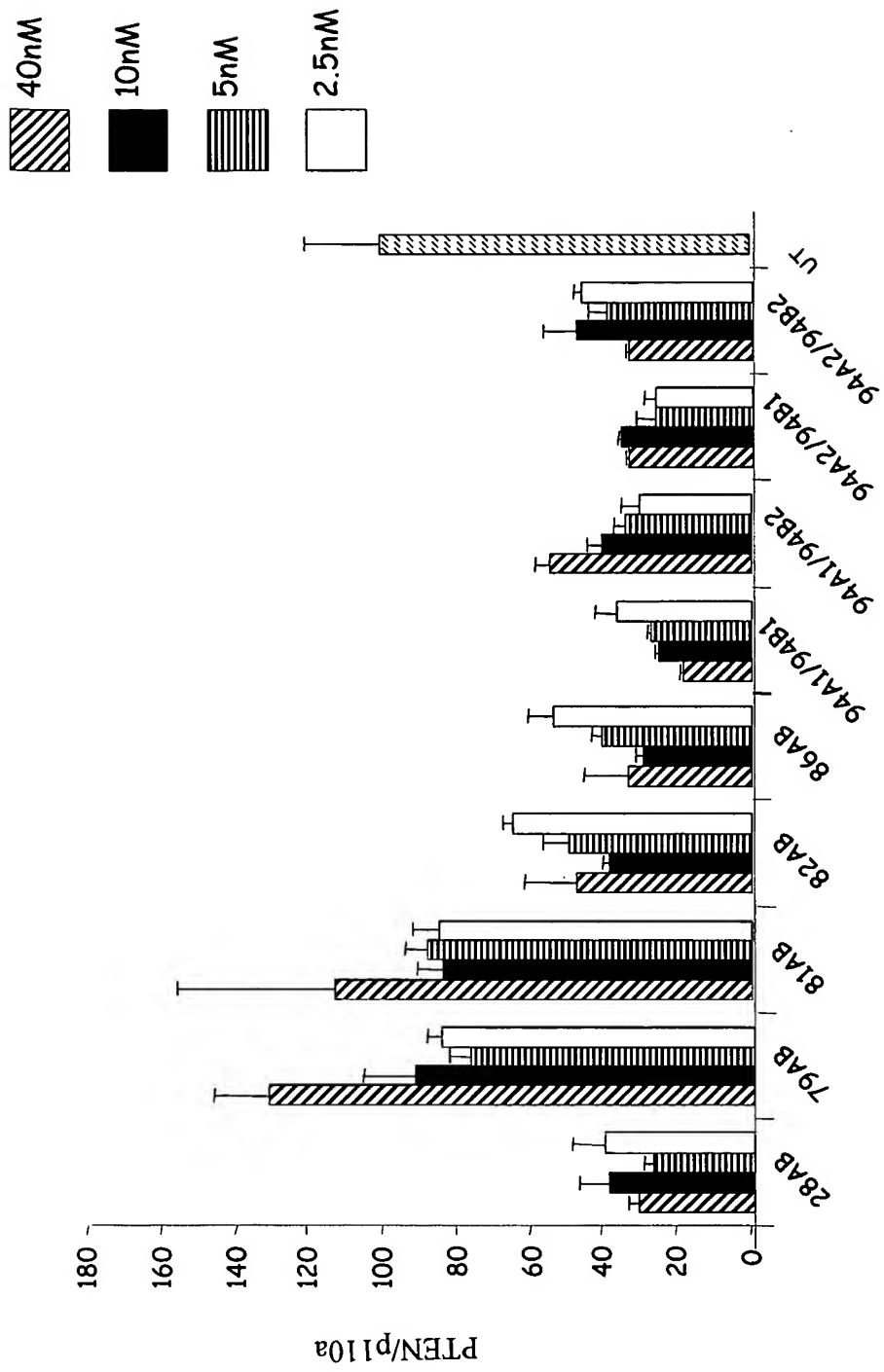


Fig. 12A

RNA Bold Italics represents 2' O-methyl		
28A	5'- cuccuuuuuuuuucugcuaacg-	(SEQ ID NO:101)
28B	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:102)
79A	5'- cuccuuuuuuuuucugcuaacg-	(SEQ ID NO:103)
79B	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:104)
81A	5'- cuccuuuuuuuuucugcuaacg-	(SEQ ID NO:105)
81B	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:106)
82A	5'- cuccuuuuuuuuucugcuaacg-	(SEQ ID NO:107)
82B	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:108)
86A	5'- cuccuuuuuuuuucugcuaacg-	(SEQ ID NO:109)
86B	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:110)
94A1	5'- cuccuuuuuuuuucugcuaacg-	(SEQ ID NO:111)
94B1	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:112)
94A1	5'- cuccuuuuuuuuucugcuaacg-	(SEQ ID NO:113)
94B2	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:114)
94A2	5'- cuccuuuuuuuuucugcuaacg	(SEQ ID NO:115)
94B1	3'- gaggaacaaacagacgaungc-	(SEQ ID NO:116)
94A2	5'- cuccuuuuuuuuucugcuaacg	(SEQ ID NO:117)
94B2	3'- gaggaacaaacagacgaungc	(SEQ ID NO:118)

Fig. 12B

Fig. 12C

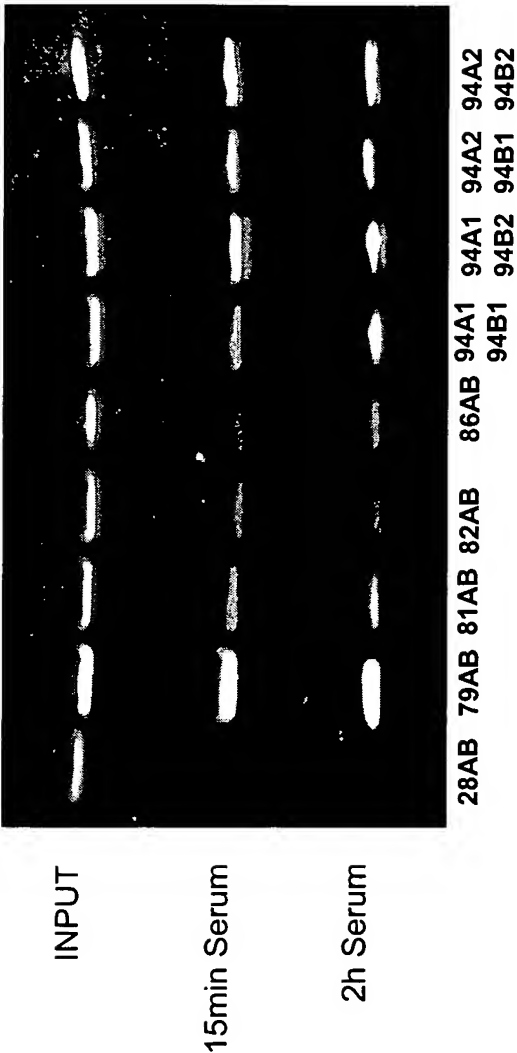
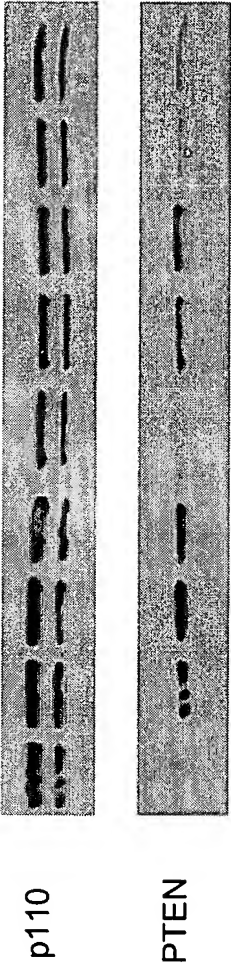


Fig. 12D



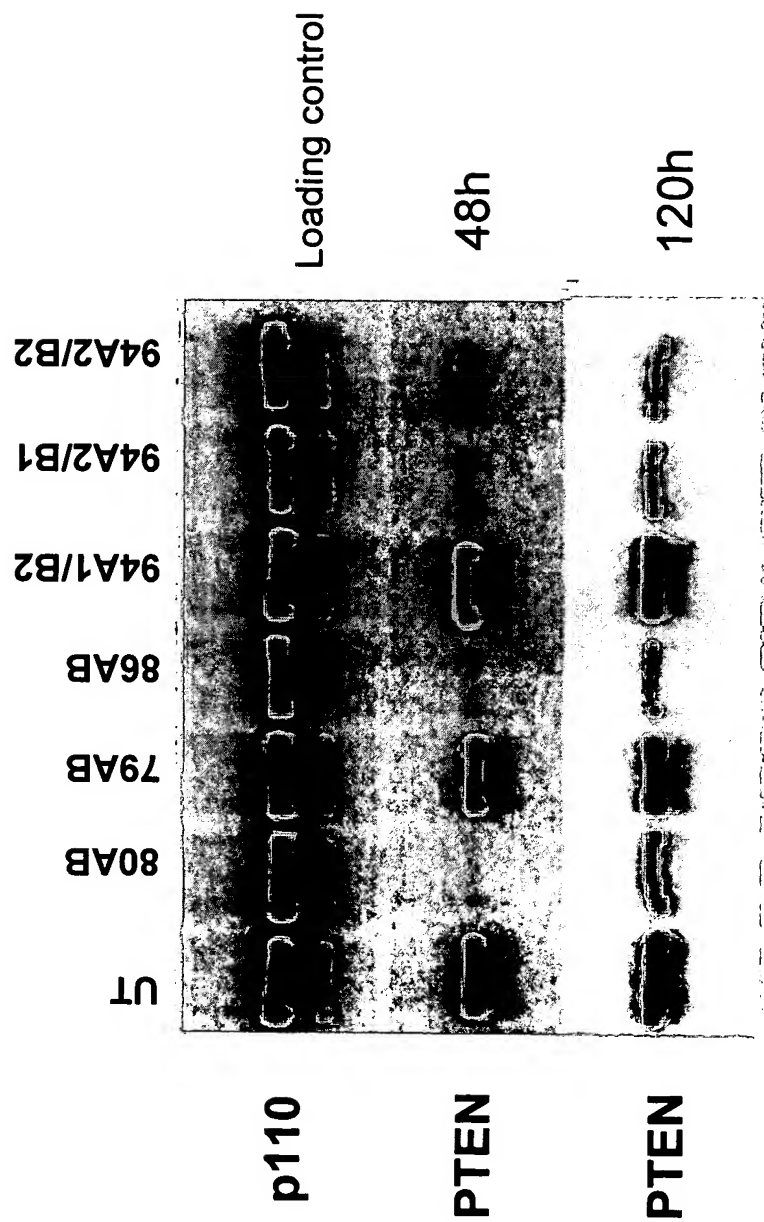


Fig. 13

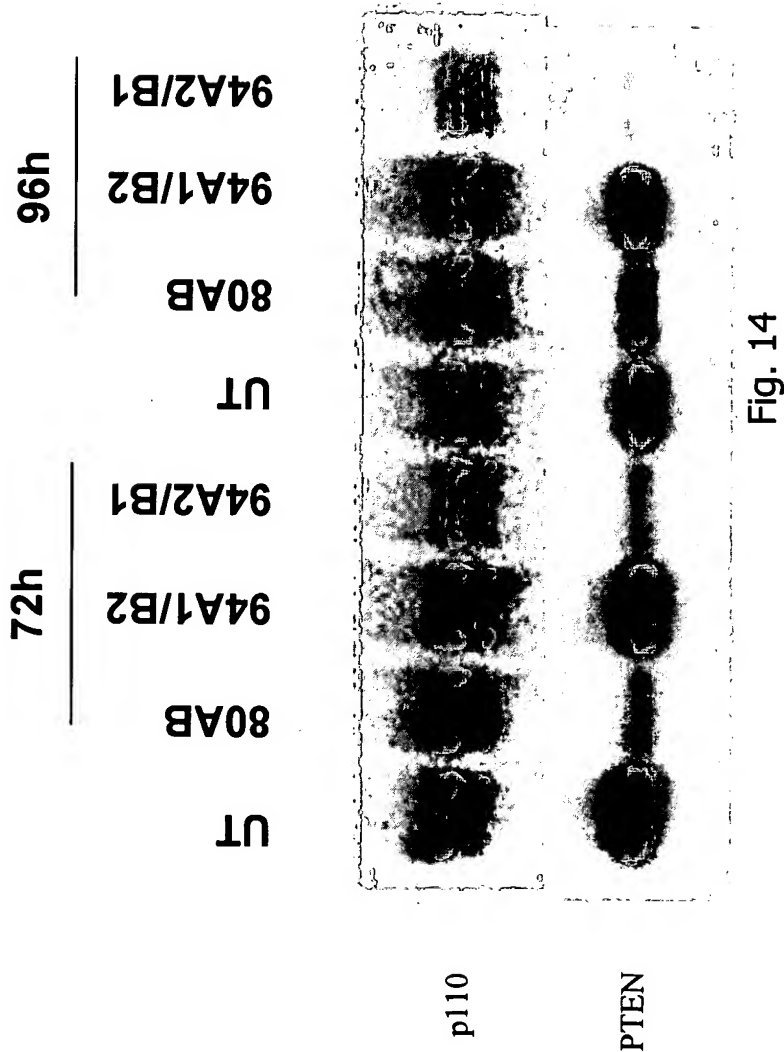
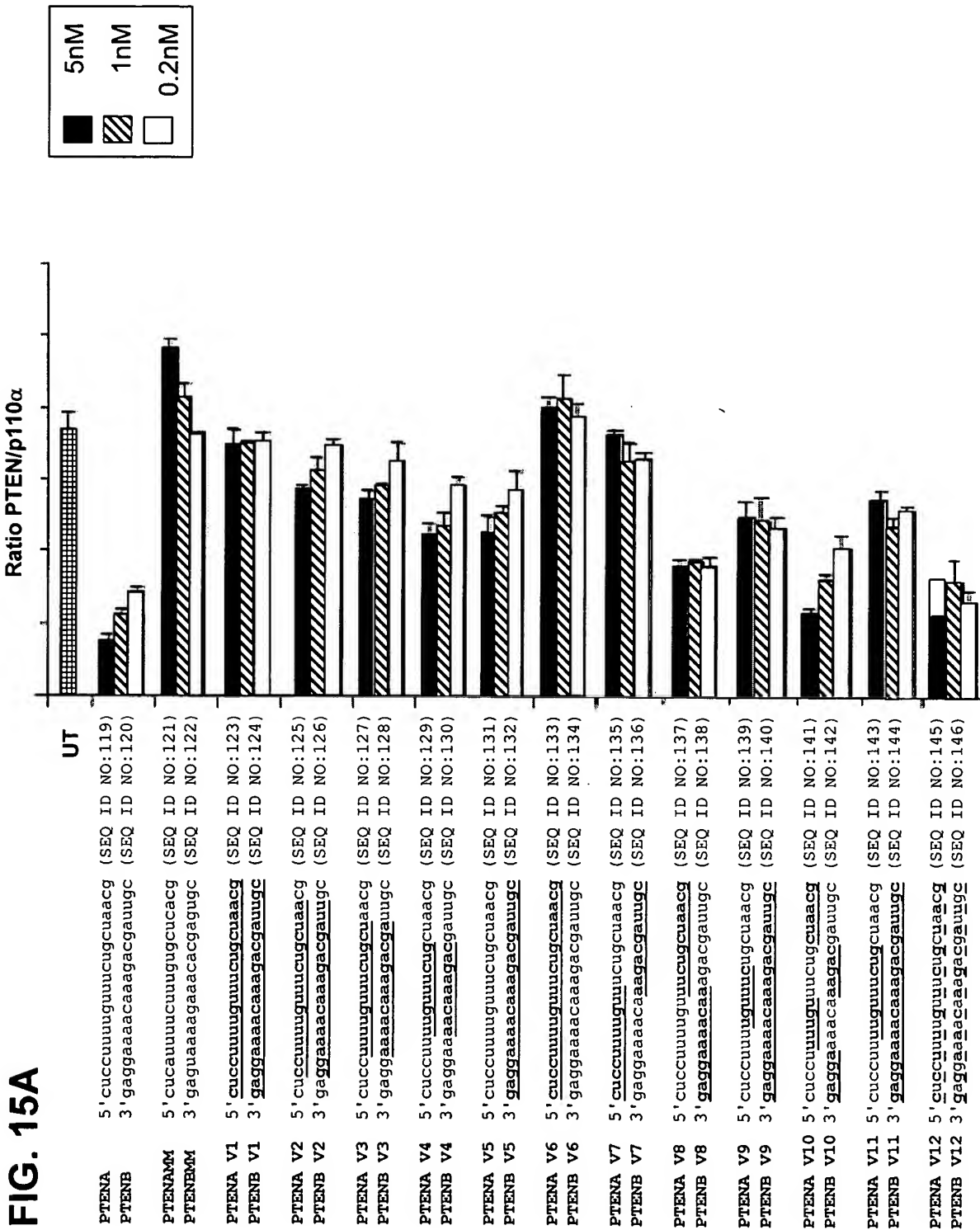


Fig. 14



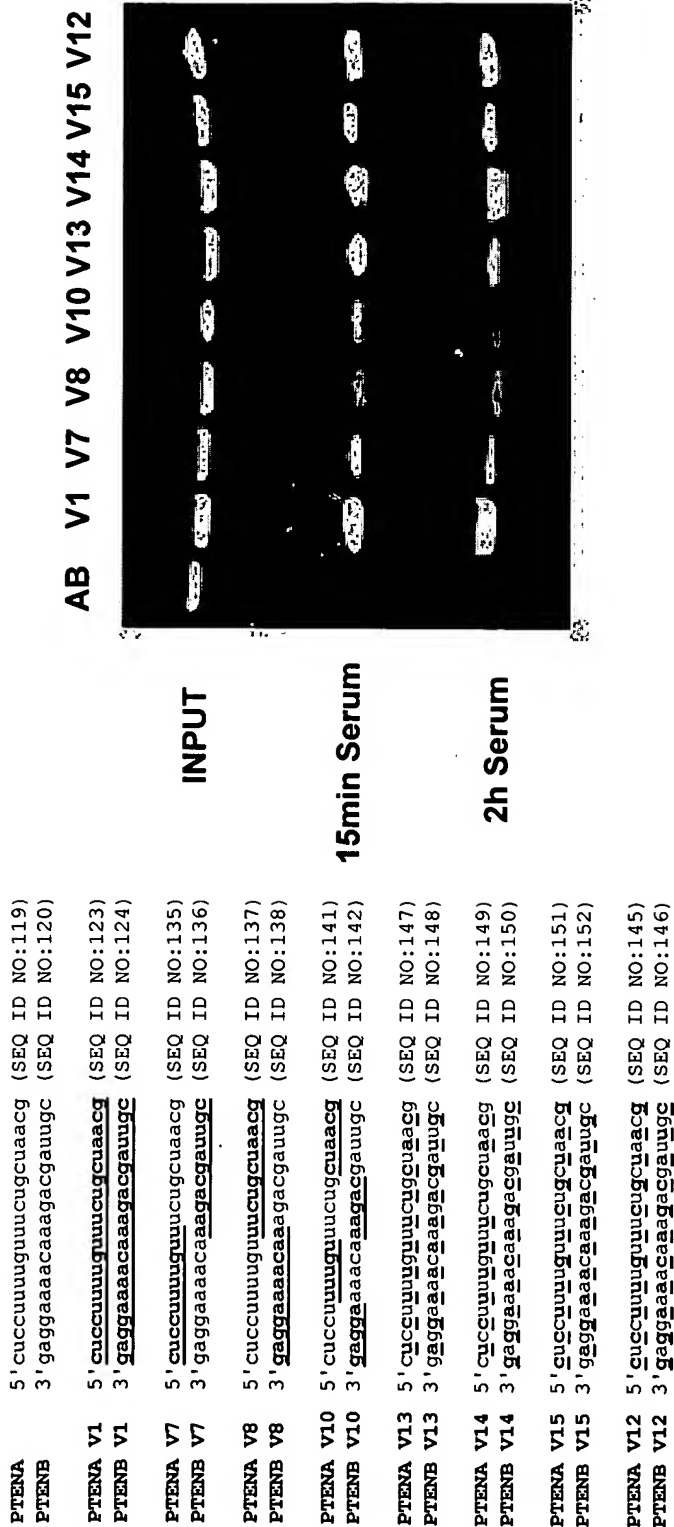


Fig. 15B

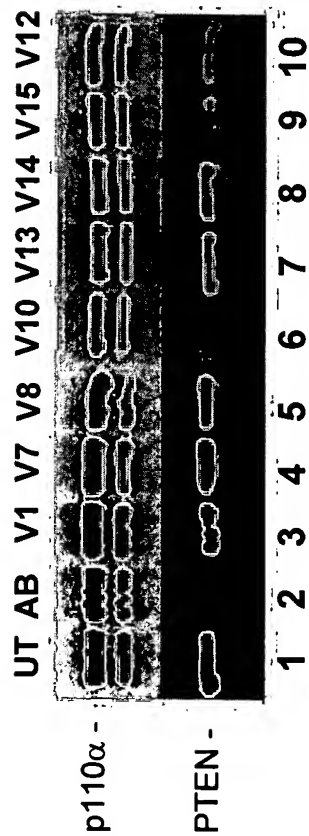
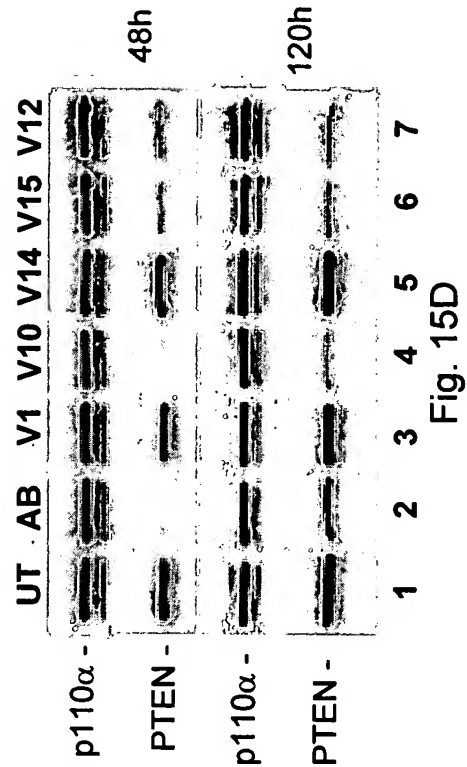


Fig. 15C



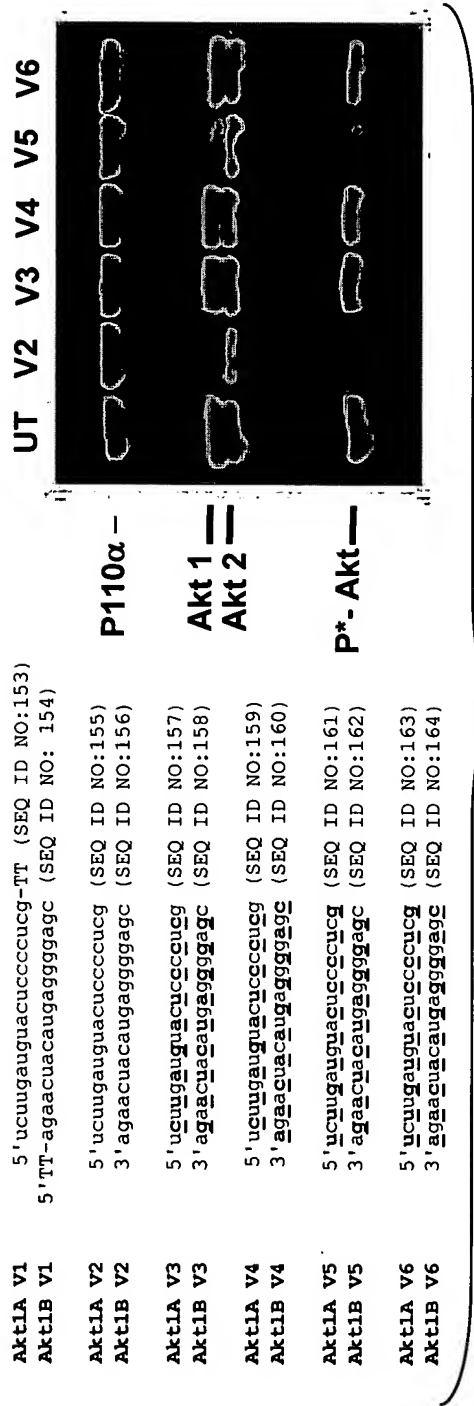


Fig. 16A



Fig. 16B

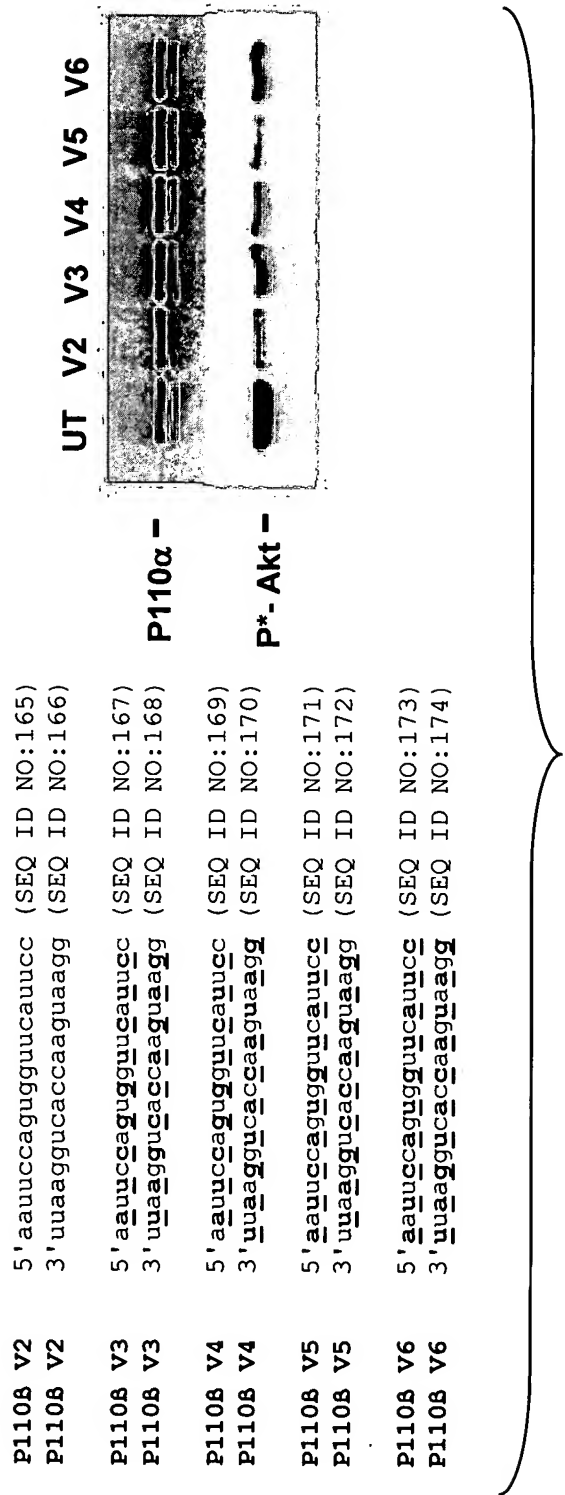


Fig. 16C

Fig. 17A

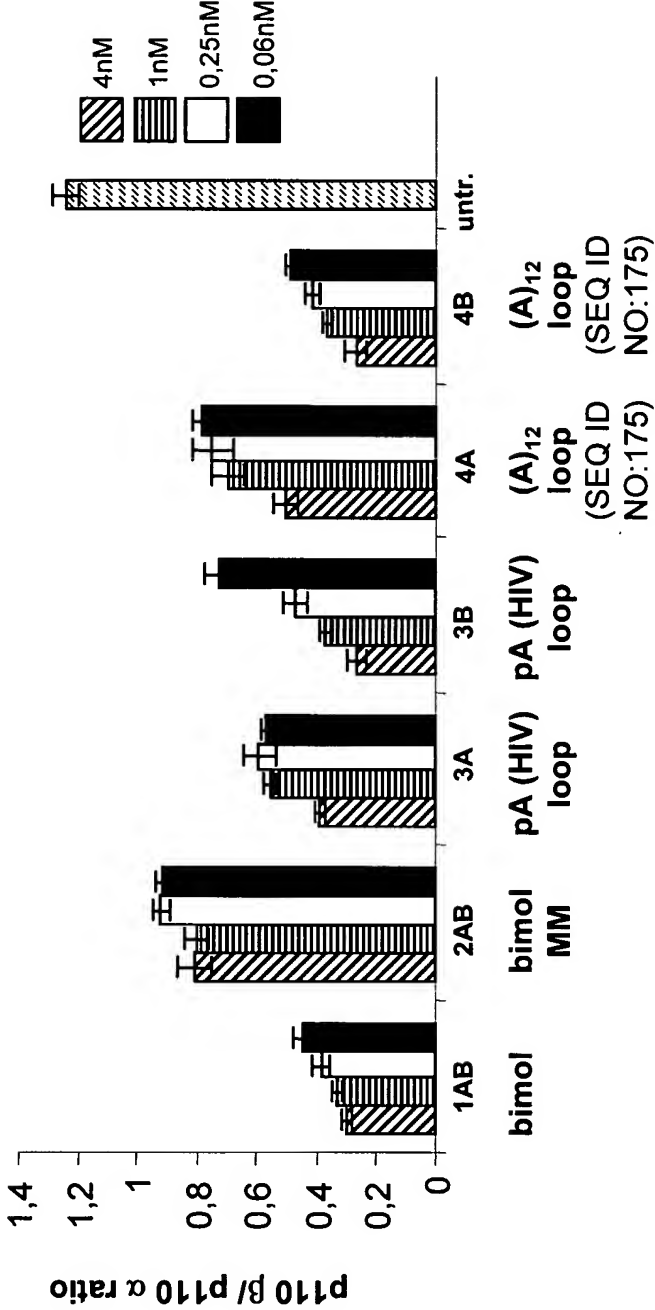


Fig. 17B

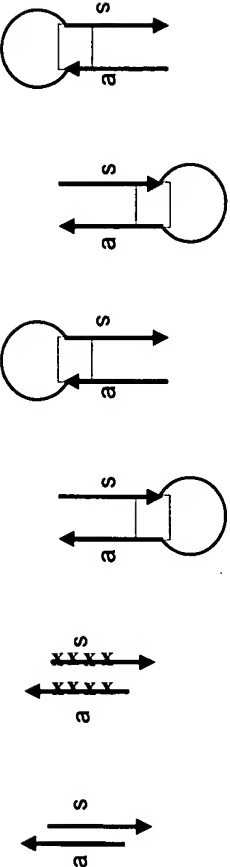


Fig. 18B

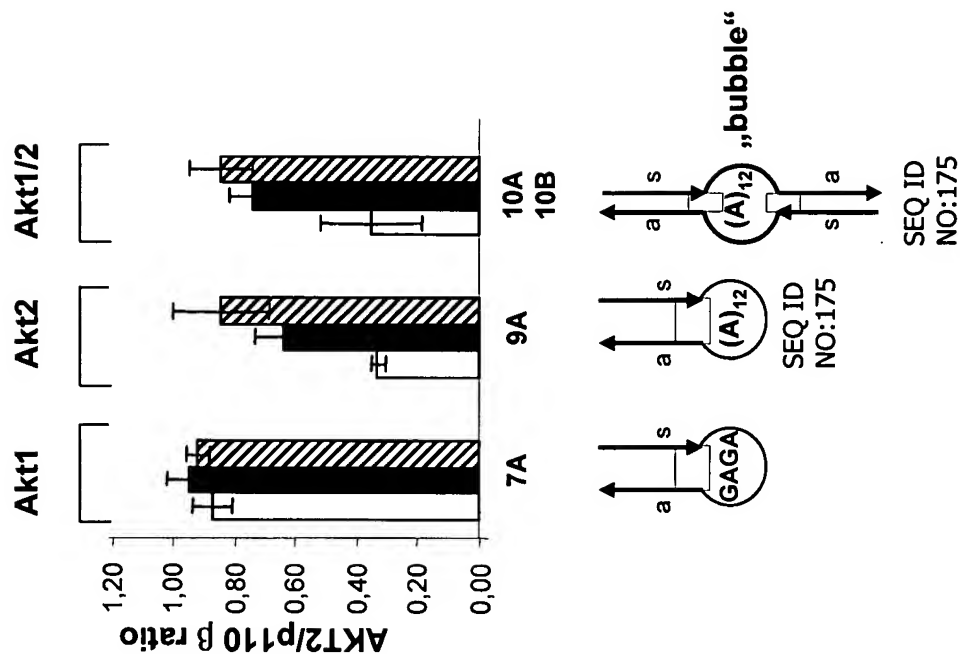
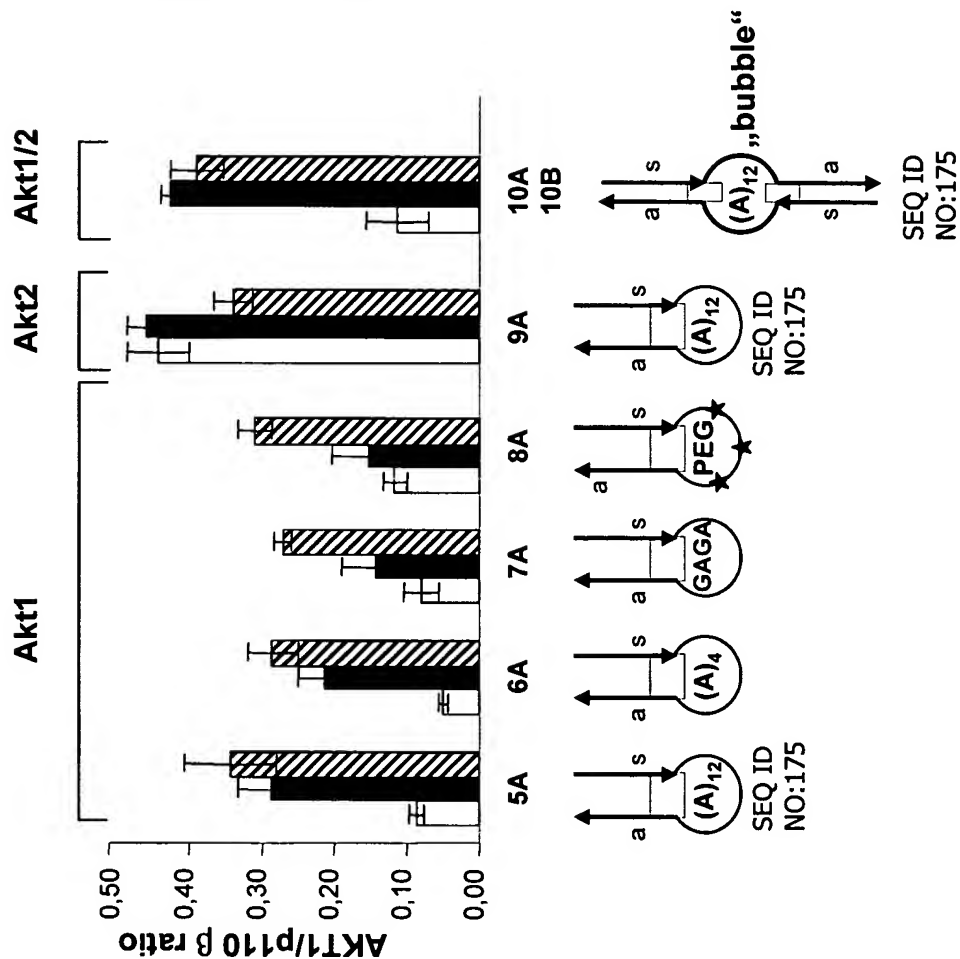
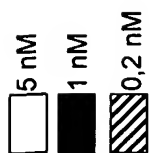


Fig. 18A



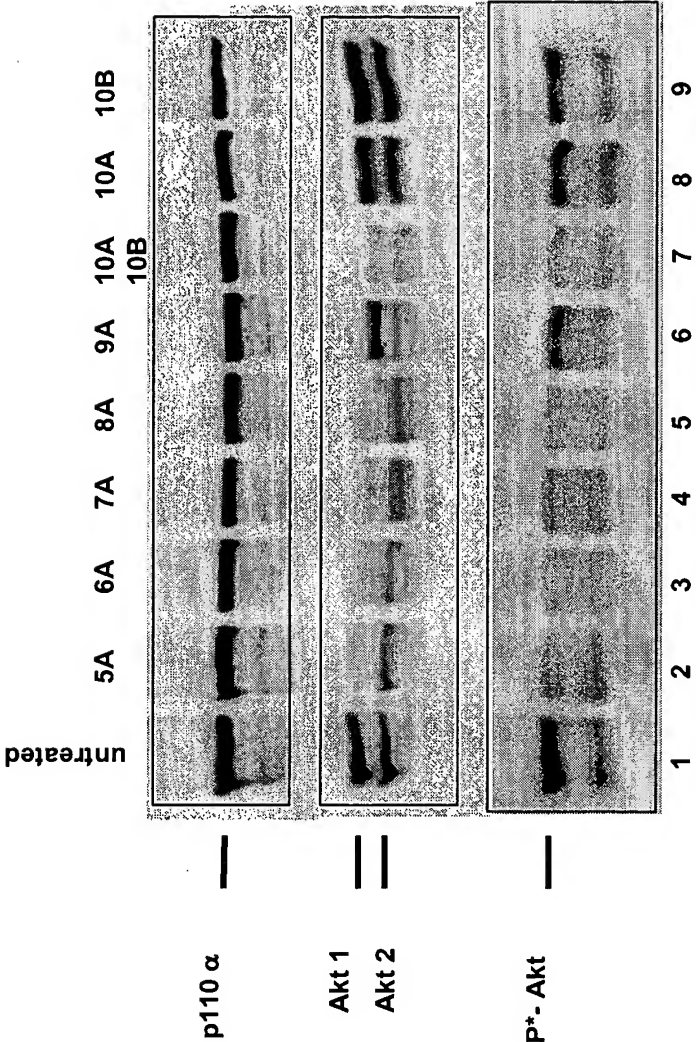


Fig. 18C